

RECEPTOR ON THE SURFACE OF ACTIVATED CD4⁺ T-CELLS

ABSTRACT OF THE DISCLOSURE

The invention provides purified ACT-4 receptor polypeptides, antibodies against these polypeptides and nucleic acids encoding ACT-4 receptor polypeptides. Also provided are methods of diagnosis and treatment using the same. ACT-4 receptors are preferentially expressed on the surface of activated CD4⁺ T-cells. ACT-4 receptors are usually expressed at low levels on the surface of activated CD8⁺ cells, and are usually substantially absent on resting T-cells, and on monocytes and B-cells (resting or activated). An exemplary ACT-4 receptor, termed ACT-4-h-1, has a signal sequence, an extracellular domain comprising three disulfide-bonded intrachain loops, a transmembrane domain, and an intracellular domain.